

FIGURE 1 (PRIOR ART)

FIG. 2 is a schematic diagram of a radiation detection system 200. The system includes a radiation source 215, a detector assembly 210, and a processing unit 280. The detector assembly 210 includes a detector 240, a substrate 235, and a protective layer 230. The detector 240 is divided into three regions 244, 245, and 246. The substrate 235 is located below the detector 240, and the protective layer 230 is located below the substrate 235. The processing unit 280 is located below the protective layer 230. Radiation 220 is emitted from the radiation source 215 and directed towards the detector 240. The detector 240 is connected to the processing unit 280 via a signal line 250.

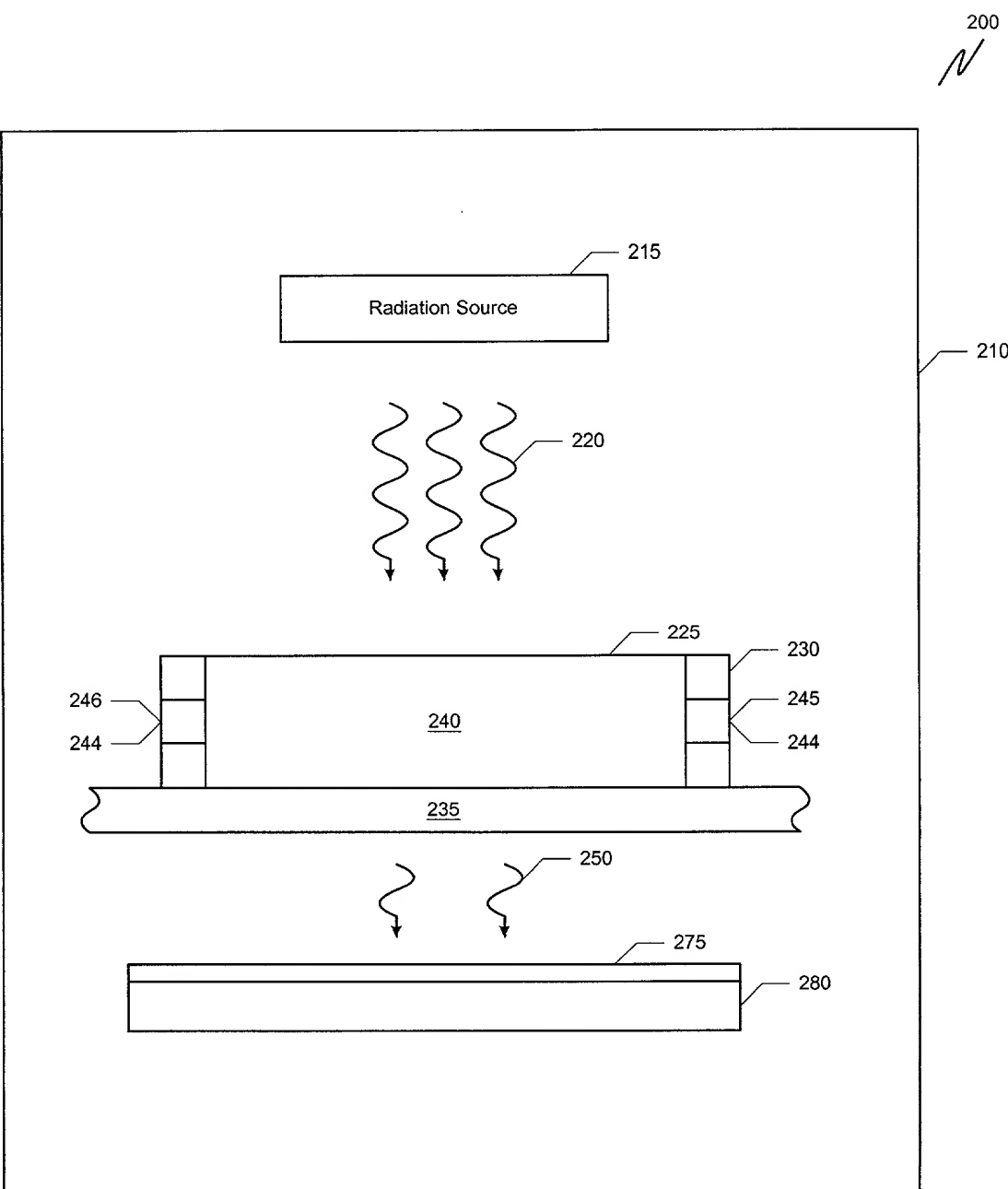


FIGURE 2

300

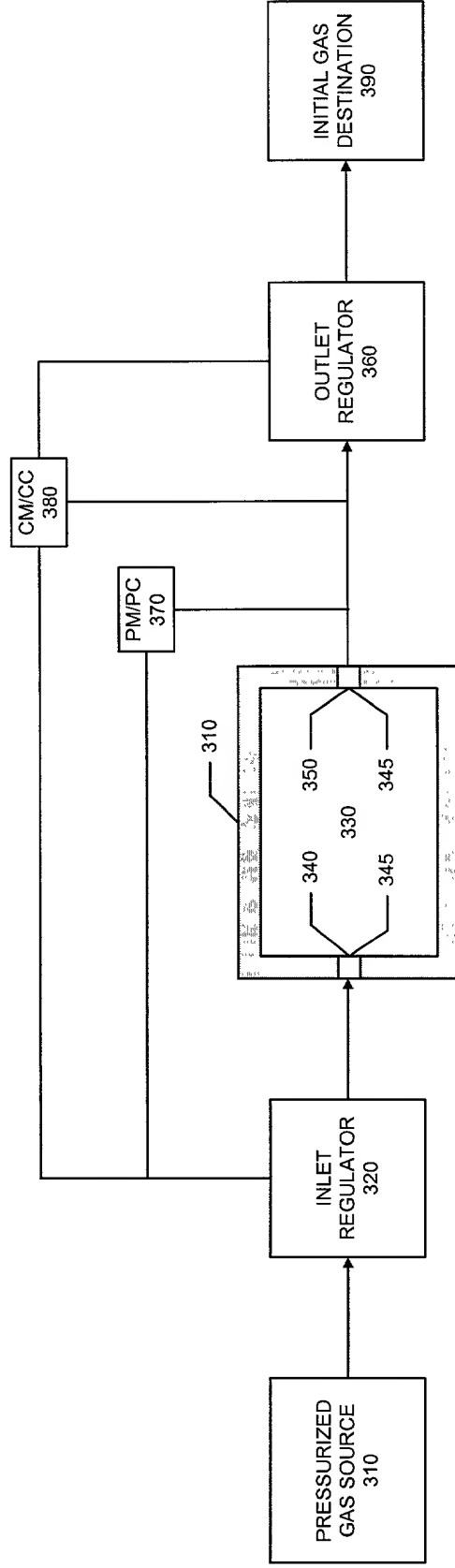


FIGURE 3

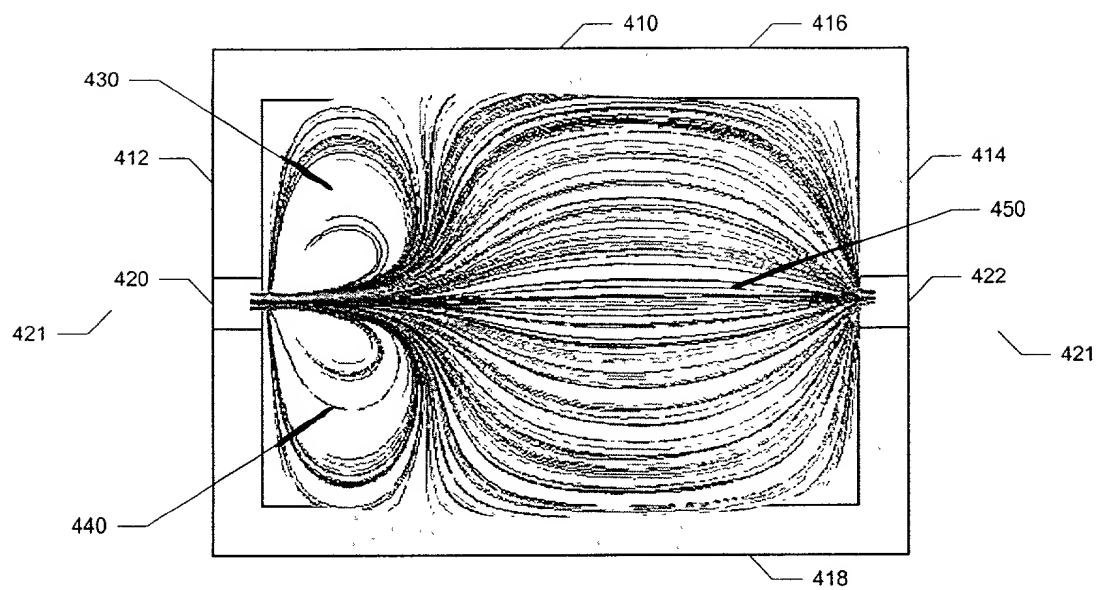


FIGURE 4

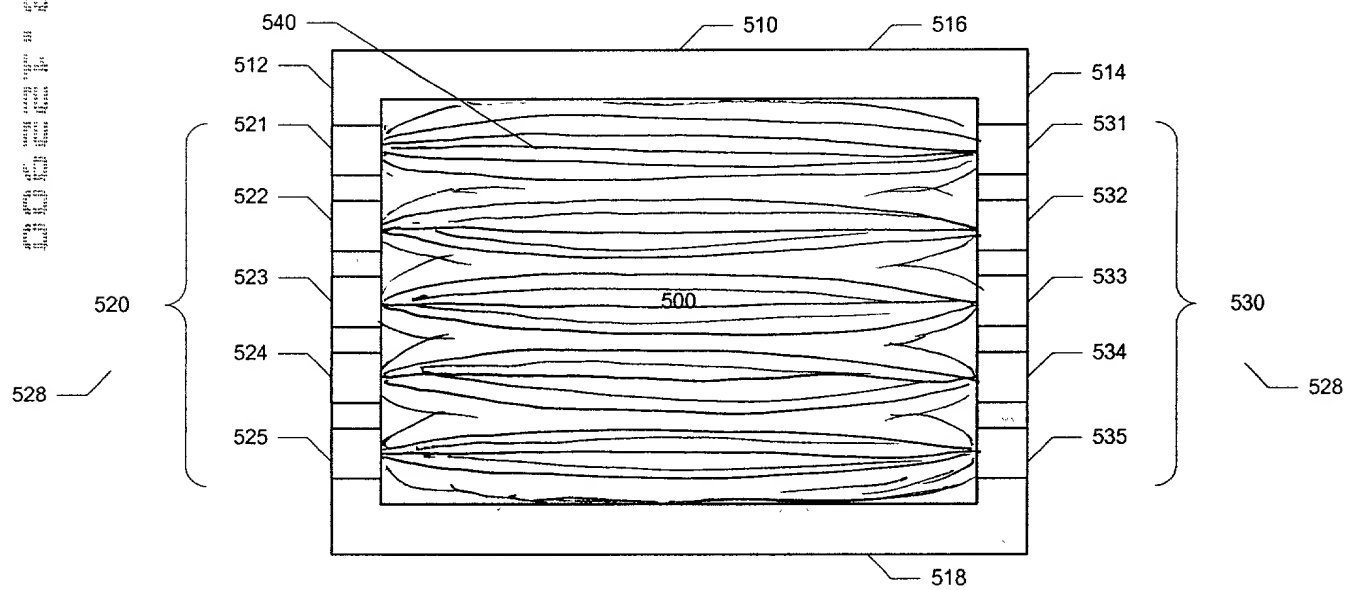


FIGURE 5

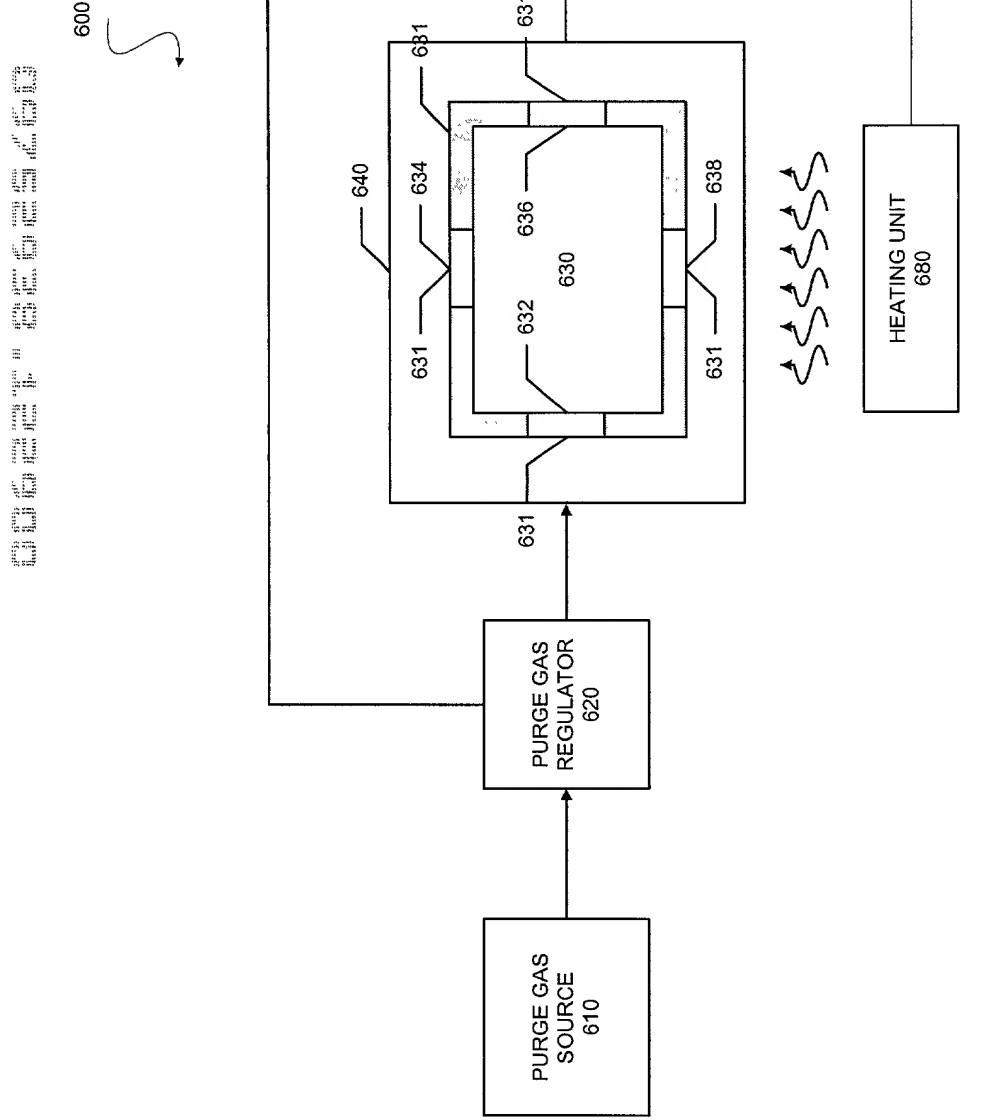


FIGURE 6

700

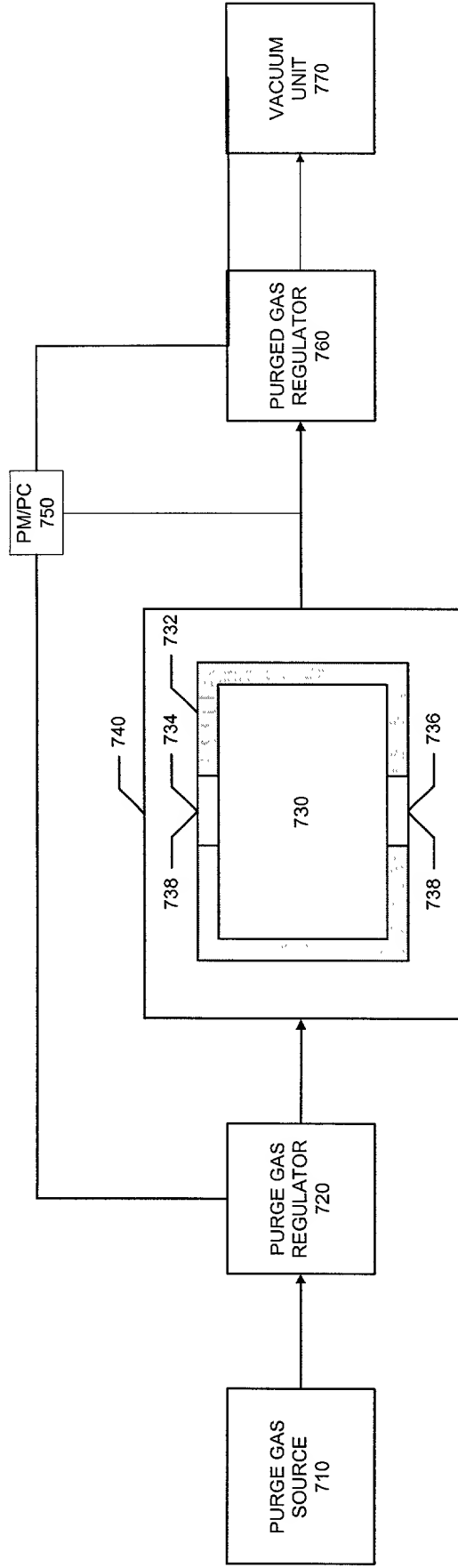


FIGURE 7

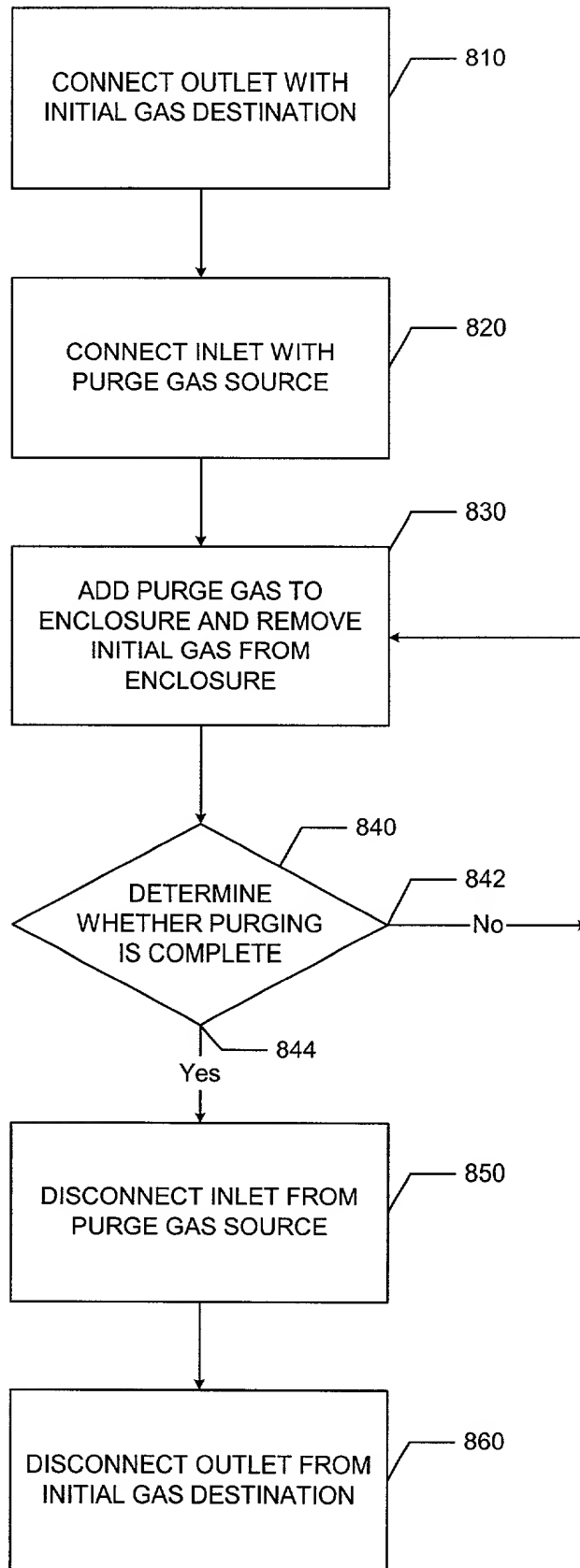


FIGURE 8

700

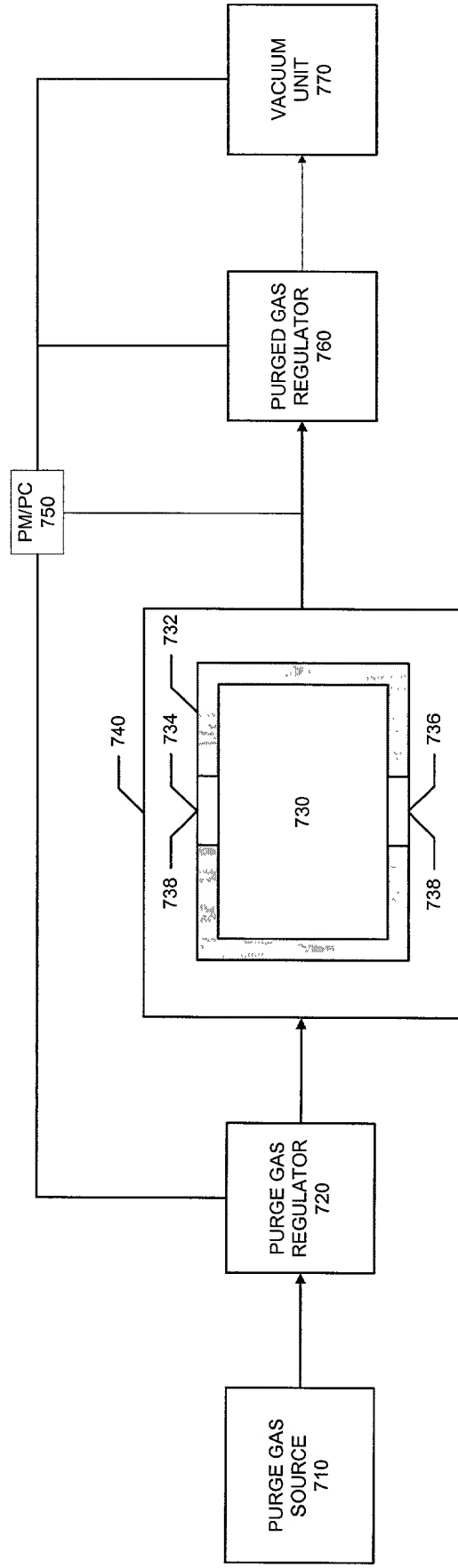


FIGURE 7